

UNITED STATES PATENT OFFICE.

EDWARD CHURCHILL, OF ST. THOMAS, CANADA.

IMPROVEMENT IN FELT ROOFINGS.

Specification forming part of Letters Patent No. **144,016**, dated October 28, 1873; application filed August 22, 1873.

To all whom it may concern:

Be it known that I, EDWARD CHURCHILL, of the town of St. Thomas, in the county of Elgin and Dominion of Canada, have invented an Improvement in the Manufacture of Roofing Felt or Paper, of which the following is a specification:

The felt or paper usually employed in the manufacture of composition roofs is prepared for use by saturating it with coal-tar. This does not make it water-proof, leaves it comparatively soft, so that it can easily be torn, and it rots rapidly.

In the preparation of felt or paper for this purpose it should be made water-proof. The preparation with which it is saturated should not soften it, and should act as a preservative.

To accomplish this desirable result, I take about three parts of paraffine and one part of

gas or coal tar, and melt them together, and while hot pass the felt or paper through the mixture, when it will be found to be thoroughly saturated, the pores all well filled, so that it is water-tight, the texture not softened, and not liable to rot.

The proportions of paraffine and tar may be varied, as the consistency of both these articles vary; but the compound when cold should be about the consistency of shoemakers' wax.

What I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture, a roofing paper or felt saturated with paraffine and coal-tar, substantially as herein described.

EDWAR. CHURCHILL.

Witnesses:

THOS. S. SPRAGUE.

H. S. SPRAGUE.